

AMENDMENTS TO THE ABSTRACT

Please replace the originally submitted Abstract with the following:

A system for the manufacture of electrical coils. The system includes a control unit configured to receive measurements for the electrical coil. The system further includes a pressure head operably connected to the control unit and mounted on a support, the pressure head including a vertical axle and a horizontal axle. At least one vertical wheel is mounted on the vertical axle and positioned to accept a conductor material and regulate height and flatness in the coil being formed. At least one horizontal wheel is mounted on the horizontal axle and positioned to accept the conductor material and position the conductor material on top of a previously formed coil. At least one hydraulic cylinder is attached to the vertical and horizontal axles and configured to adjust coiling pressure exerted on the conductor material by adjusting hydraulic pressure on the axles.